

L 43715-66
ACC NR: AP6030764

O

solution or on the CdS coated substrate. A single kinetic equation was proposed to describe qualitatively the two simultaneous processes. A procedure for chemical deposition of CdS films was established on the basis of this kinetic equation. Deposition should be carried out in two consecutive steps from two solutions containing different $[OH^-]/[NH_3]^3$ ratios. The optimum $[OH^-]/[NH_3]^3$ ratios in the solutions were determined experimentally. Films up to 175 μ thick may be grown by using the described procedure. Orig. art. has: 3 figures and 9 formulas. [JK]

SUB CODE: 07/ SUBM DATE: 01Oct65/ ORIG REF: 007/ OTH REF: 005/ ATD PRESS:
5074

Card 2/2

L 07822-67 EWT(m)/EWP(t)/ETI
ACC NR: AP6034205

IJP(o) JD

SOURCE CODE: UR/0153/66/009/004/0574/0576

N
AUTHOR: Kitayev, G. A.; Lundin, A. B.; Mokrushin, S. C.ORG: Department of Physical and Colloidal Chemistry, Ural Polytechnical Institute
im. S. M. Kirov (Kafedra fizicheskoy i kolloidnoy khimii, Ural'skiy politekhnicheskiy
institut)34
BTITLE: Chemical deposition of lead selenide thin films

SOURCE: IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 9, no. 4, 1966, 574-576

TOPIC TACS: lead selenide, semiconducting film, thin film optic coating, chemical
deposition, chemical reaction, infrared sensorABSTRACT: A chemical method using unsubstituted selenourea as the selenizing agent has been developed for deposition on a glass substrate of mirror-bright, adherent lead selenide thin films of a given thickness up to several thousand angstrom. Development of the method was prompted by the importance of lead selenide films as infrared sensors and by the desirability of a simplified technique of preparation of these films. The films were deposited by the reaction of lead nitrate with selenourea in alkaline solution and in the presence of the citrate or thiosulfate ion, as lead complexing agent, Na_2SO_3 as inhibitor of the selenourea decomposition and hydrazine, ammonia, or potassium hydroxide as pH regulator. Selection of optimum concentrations of the reactants was made on the basis of thermodynamic stability of

Card 1/2

UDC: 539.232

L 07822-67

ACC NR: AP6034205

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lead hydroxide in the presence of the complexing agent. The region of possible formation of the films was found to be coincident with that of the stability of lead hydroxide and the experimentally determined region of optimum composition to be within the former region. Extremely adherent, mirror-bright, and transparent films, with optic thickness of the order of 6000\AA , were obtained from optimized solutions at $\text{pH} = 7.9-8.2$. The nature of the complexing ion and of the alkali was of secondary importance. In opposition to an earlier statement in a Western source, applicability was shown of unsubstituted selenourea to deposition of the lead selenide films.
Orig. art. has: 1 figure and 3 formulas.

SUB CODE:: 07 / SUBM DATE: 26Oct64/ ORIG REF: 003/ OTH REF: 004
ATD PRESS: 5101

Card 2/2 ba

KITAEV, O.I., inzh.

Use multiplying circuits in high-voltage testing systems. Izv.vys.
ucheb.zav.; energ. 3 no.10:32-39 0 '60. (MIRA 10:11)

1. Tsentral'naya vysokovolt'naya laboratoriya Chelyabenergo.
Predstavlenia kafedroy proizvodstva i raspredeleniya elektrounergii.
(Electric cables--Testing) (Electric insulators and insulation--
Testing)

2/019/61/018/011/002/005
D006/D102

AUTHOR: Kitayev, G. I.

TITLE: Small rectifier stations for 10 - 200 kV

PERIODICAL: Přehled technické a hospodářské literatury, Energetika a elektrotechnika, v. 18, 1961, no. 11, 499, abstract # E 61-6902. Prom. Energ. 16, July 1961, no. 7, 9-14

TEXT: Designs of 10, 20 and 200 kV stations were tested at the laboratory of the Chelyabinsk Institute. The article presents a technical description of these stations with their operating properties, and gives data for the construction of high-voltage units for preventive insulation inspection and other industrial applications. The original article contains 7 figures and 11 references.
[Abstracter's note: The above text is a full translation of the Czech abstract].

Card 1/1

KITAYEV, G.I., inzh.

Study of charging processes in a voltage doubling circuit. Izv.
vys. ucheb. zav.; energ. 5 no.3:10-16 Mr '62. (MIRA 15:4)

1. TSentral'naya vysokovol'tnaya laboratoriya Chelyabenergo.
Predstavlena kafedroy proizvodstva i raspredeleniya elektro-
energii v sel'skom khozyaystve Chelyabinskogo instituta
mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.
(Electric transformers)

45110

S/089/63/014/002/011/019
B102/B18624.6730
AUTHOR: Kitayev, G. I.

TITLE: Comparison of cascade generator circuits

PERIODICAL: Atomnaya energiya, v. 14, no. 2, 1963, 213 - 215

TEXT: Different design variants of Cockcroft-Walton generators with the same total capacitance of capacitors are compared with the usual generators. This is done for symmetric circuit, the three-phase circuit and a circuit with decreasing capacitances ($C_{n+1} < C_n$). The comparisons relate to the efficiency in relation to the voltage drop U, the pulsation δU and n_{optim} ($= n_{\text{ONT}}$) for the same ΣC . Comparisons for the same ΣC are more appropriate than those for the same n or the same load. For the efficiency we generally have

Card 1/4

Comparison of cascade...

S/089/63/014/002/011/019
B102/B186

$$K_{\Delta U} = \frac{\Delta U_{00}}{\Delta U_{c1}} = \frac{\frac{I_n}{I} \frac{F(n)_{00} N_{00}}{\Sigma C}}{\frac{I_n}{I} \frac{F(n)_{c1} N_{c1}}{\Sigma C}} = \frac{F(n)_{00} N_{00}}{F(n)_{c1} N_{c1}}$$

$$K_{n_{eq}} = \frac{N_{00} c_1}{N_{c1} n_0}$$

$$K_{\delta U} = \frac{\delta U_{00}}{\delta U_{c1}} = \frac{\frac{I_n}{I} \frac{G(n)_{00} N_{00}}{\Sigma C}}{\frac{I_n}{I} \frac{G(n)_{c1} N_{c1}}{\Sigma C}} = \frac{G(n)_{00} N_{00}}{G(n)_{c1} N_{c1}}$$

The subscript 00 denotes the usual circuit and c1 the one compared with it; N is the number of capacitors and n of the cascades. For the comparison with one-phase two-half-period systems one has

$$K_{\Delta U} = \frac{(8n^2 + 9n^1 + n) 2n}{(2n^2 - 3n^1 + 4n)(3n - 2)} \rightarrow \frac{8}{3} \text{ nps } n \rightarrow \infty;$$

$$K_{\delta U} = \frac{2(n^2 + n) 2n}{2n(3n - 2)} = \frac{2(n^2 + n)}{3n - 2};$$

$$K_{n_{eq}} = \sqrt[3]{\frac{4n}{3n - 2}} = 1.1.$$

Card 2/4

Comparison of cascade...

S/089/63/014/002/011/019
B102/B186

For a two-phase symmetric system with the same capacitances in all cascades and $N = 3n$:

$$K_{\Delta U} = \frac{(8n^2 + 9n^2 + n) 2n}{(2n^3 + 3n^2 + 4n) 3n} \rightarrow \frac{8}{3} \text{ (as } n \rightarrow \infty\text{);}$$

$$K_{\delta U} = \frac{2(n^2 + n) 2n}{2n 3n} = \frac{2(n+1)}{3};$$

$$K_{n_{OPT}} \approx \sqrt[3]{\frac{8}{3}} \approx 1.39;$$

for a three-phase two half-period system with $N = 4n-3$:

$$K_{\Delta U} = \frac{3(8n^3 + 9n^2 + n) 2n}{(2n^3 - 3n^2 + 4n)(4n-3)} \rightarrow 6 \text{ (as } n \rightarrow \infty\text{);}$$

$$K_{\delta U} = \frac{6(n^2 + n) 2n}{2n(4n-3)} = \frac{6(n^2 + n)}{4n-3}; \quad K_{n_{OPT}} \approx \sqrt[3]{\frac{12n}{4n-3}} \approx 1.45.$$

The comparison shows that the last system is the most effective, being even better than the usual three-phase system. A comparable efficiency is attained for a two-phase symmetric and one-phase, two half-period system only

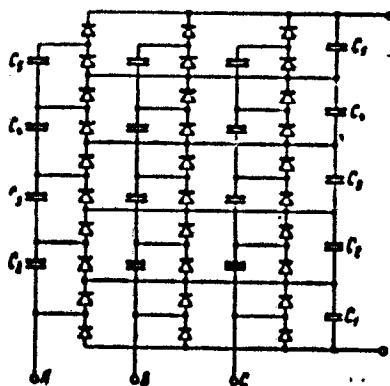
Comparison of cascade...

S/089/63/014/002/011/019
B102/B186

when $n > 20$. There are 4 figures.

SUBMITTED: February 24, 1962

Fig. 2



Card 4/4

KITAYEV, G.I., inshr.

Pulsation and voltage drop in n-phase rectifier-condenser voltage
multiplication circuits. Izv.vys.ucheb.zav.; energ. 5 no.11-96-
45 N '62. (MIRA 15:12)

1. Tsentral'naya vysokovol'tnaya laboratoriya Chelyabenerg.
Predstavlena kafedroy proizvodstva i raspredeleniya elektro-
energii Chelyabinskogo instituta mekhanizatsii i elektrifikatsii
sel'skogo khozyaystva.
(Electric networks) (Electric transformers)

KITAYEV, G.I., insh.

Testing of RVS-type electric dischargers by means of pulsating and a.c. voltages. Izv. vys. ucheb. zav.; energ. 5 no.9:13-17 8 '62. (MIRA 15:10)

1. Tsentral'naya vysokovol'tnaya laboratoriya Chelyabenergo. Predstavlena kafedroy proizvodstva i raspredeleniya elektricheskoy energii Chelyabinskogo instituta mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.
(Electric power distribution) (Electric protection)

KITAYEV, G. I.

Comparison of cascade generator circuits. Atom. energ. 14 no.2:
213-215 F '63. (MIRA 16:1)

(Electric circuits)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722910019-0

KITATEV, G.I.

Measurement of conductance currents in valve dischargers. Elek. sta.
36 no. 6189-90 Je '65. (MIRA 1817)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722910019-0"

KUPLYAYEV, I.M. (Leningrad, B. Pushkarskaya ul. 1, d. 11, kv. 17; 1977, v. N.I.
(Gor'kiy, ul. Radiator, d.6, kv.6); CHITNOV, Yu.S. (Kortatz, ul.
Radiator, d. 6, kv.6); PISAREV, A.L. (Moskva, Lyubertsy, 4. pos.
Vsesoyuznogo nauchno-issledovatel'skogo ngl'nogo instituta, d.5, kv.5);
GASPAROV, R.G. (Moskva, I-51, 2-y Kolobovskiy pereulok d.9/2 kv.18);
POPOV, B.I. (Irkutsk, 13, Depovskiy pereulok, d.83, kv.2); FIONTHOVSKIY,
B.A. (Moskva, Ye-77, Sredne-Pervomayskaya ul. d.13, kv.4); VIL'NEYEV,
G.M. (Moskva, I-110, B. Spasskiy, d. 15/17, kv.29); KRIKUSS, V.G.
(Uzhgorod, Zakarpatskaya obl., ul. Kosmodem'yanskoy, d.4, kv.69);
SIDORENKO, A.P. (Leningrad, ul. Prunze, d.15, kv.38); SPIRIDONOV, A.V.
(Leningrad, ul. Prunze, d.15, kv.38); SEREDA, P.A. (Moskva);
IL'IN, V.F.; PEL'TSMAN, L.N.; DANIIEVICH, A.I. (Khar'kov, Plekhanovskiy
pereulok, d.9a, kv.2); KHIMENKO, L.T. (Khar'kov, Plekhanovskiy pereulok,
d.92, kv.2); LIKOV, M.V. (Moskva, Leninskij proyeekt, d.55);
RYBAL'CHENKO, G.F. (Moskva, Leninskij prospekt, d.4); BOYKO, V.P.
(Leningrad, M-142, ul. Tipanova, d.3, kv.130); KILAEV, G.L. (Chelya-
binsk, Smolenskaya ul. d.4); SKLYAROV, A.Ye. (Novocherkassk, Rostov-
skoy obl. pos. Oktyabr'skiy, Gvardeyskaya ul. d.30, kv.29)

Discoveries and inventions. Prom. energ. 19 no.11:57-58 N 164.
(MIPA 18:1)

1. Zavod "Amurkabel'", Khabarovsk (for Il'in, Peitseran).

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722910019-0

KITAEV, G.M., Cand. of Vet. Sci.

"Dismountable fixing stand for cattle and horses."

SO: Veterinarija 27(3), 1950, p. 52

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722910019-0"

KISAYEV, O.M., docent.

Restraint of horses and cows in the "PShK-3" sling. Veterinariia
30 no.9:49-51 8 '53. (MLRA 6:8)

1. Voronezhskiy zooveterinarnyy institut.

KITAYEV, I.

In distant villages. Prom.koop. 13 no.11:19 N '59.
(MIRA 13:3)

I. Nachal'nik otdela organizovoy raboty i kadrov oblpromsoveta,
g.Vladimir.
(Susdal---Service industries)

KANIN, P.; BOLDENKOV, K.; LOMKO, A.; KITAYEV, I.; OVSYANNIKOV, V.;
KUTISHCHEV, N.

In honor of the Twenty-First Congress of the CPSU. Prom.koop. 13
no.1:10 Ja '59. (MIRA 12:2)

1. Predsedatel' pravleniya arteli imeni 15-letiya koperatsii invalidov, g. Voronezh (for Kanin). 2. Predsedatel' pravleniya arteli "Metallist," g. Bryansk (for Boldenkov). 3. Starshiy inspektor orgotdela oblpromsoveta, g. Zhitomir (for Lomko). 4. Nachal'nik orgotdela oblpromsoveta, g. Vladimir (for Kitayev). 5. Sekretar' partiyoy organizatsii arteli imeni Stalina, s. Katuzhanka, Kiyevskoy ob. (for Ovayannikov). 6. Zamestitel' predsedatelya pravleniya oblpromsoveta, g. Ural'sk (for Kutishchev).

(Cooperative societies)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722910019-0

STAFFORD, J.A., Assistant Secretary "MILITARY INFORMATION" (1957-1961)
Served as Director of Defense Intelligence Agency (DIA) from 1961 to 1965
Born, 21 Dec. 1914 (MA) - Died 20 Dec. 1989 (VA), age 75
(VA, 20 Dec. 1989)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722910019-0"

KITAYEV, Igor' Alekseyevich; VINITSKIY, S., red.; MOLCHANOV, T.,
tekhn. red.

[Viticulture in Odessa Province] Vinogradarstvo na Odes-
shchine. Odessa, Odesskoe knishnoe izd-vo, 1960. 374 p.
(MIRA 15:6)

1. Direktor Ukrainskogo nauchno-issledovatel'skogo instituta vino-
gradarstva i vinodeliya im. Tairova (for Kitayev).
(Odessa Province—Viticulture)

BLAZHEVSKIY, Ye.V., dvashdy Geroy Sotsialisticheskogo Truda; VOVCHENKO, I.V., kand. sel'khoz. nauk, zasl. agronom Ukr.SSR; VOROB'YEV, N.Ye., st. nauchn. sotr.; GESHELE, E.E., doktor biol. nauk, prof.; ZUBRITSKIY, A.A., agronom; KISEL'COF, Z.S., inzh., zasl. mekhanizator sel'skogo khoza. Ukr.SSR; KLYUCHKO, P.P., kand. sel'khoz. nauk; KORCHAGIN, A.Ye.; LEPEDEV, Ye.M., st. nauchn. sotr.; NASYPAYKO, V.M., kand. sel'khoz.nauk; PIKUS, G.P., kand. sel'khoz.nauk; REKACH, V.N., doktor sel'khoz. nauk, prof.; SPIVAK, I.I., zootehnik; TEMCHENKO, L.V., kand. sel'khoz. nauk; YEDULAYEV, A.A., agronom; YAKOVENKO, V.A., kand. tekhn.nauk; KITAIYEV, I.A., kand. sel'khoz. nauk, red.; MUSIYKO, A.S., akademik, red.; VENNITSKIY, S.P., red.; MOLCHANOVA, T.N., tekhn. red.

[For high corn yields] Za bol'shuiu kukurusu. [By] E.V. Blazhevskii i dr. Odesskoe knishnoe izd-vo, 1962.
(MIRA 16:7)
173 p.

1. Zven'yevsky kolkhoza im. Gor'kogo Kotovskogo rayona na Odesshhchine (for Blazhevskiy). 2. Glavnyy agronom sovkhoza "Bessarabskiy" (for Korchagin). 3. Ukrainskaya akademiya sel'skokhozyaystvennykh nauk (for Musiynko).
(Ukraine—Corn (Maize))

KITAYEV, I.A.

Practices in controlling potato wart. Zashch. rast. ot vred.
i bol. 9 no. 4:46 '64. (MIRA 17:5)

1. Starshiy agronom Moskovskoy stantsii zashchity rasteniy.

KITAYEV, I.G., kandidat sel'skokhozyaystvennykh nauk.

Investigating tree-planting machines. Sel'khozmashina no.2:23-24
J '57. (MLRA 10:4)
(Tree planting) (Planters (Agricultural machinery))

KITAYEV, I.G.
BELIKOV, V.K.; KITAYEV, I.G.

Textbooks on farm mechanization. Politekh. obuch. no.2:87-88
F '58. (MIRA 11:1)
(Farm mechanization)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722910019-0

KITAYEV, I.G., kand. sel'skokhozyaystvennykh nauk.

Organizing and conducting practical study of tractors. Politekh.
obuch. no. 6136-39 Je '58. (MIRA 11:6)
(tractors)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722910019-0"

KITAYEV, I. G.

Teaching students to operate tractors. Politekh. obash. no.9:
54-59 8 '58. (MIRA 11:10)
(Tillage) (Tractors)

KITAYEV, I.O., kand. sel'skokhozyaystvennykh nauk

Mechanized intertillage in forest plantations. Trakt. i sel'khozmash.
no.12:26 D '58. (MIRA 11:12)
(Forests and forestry--Equipment and supplies)

KITAYEV, I.G.

Methods of teaching about agricultural machinery. Politekh.obuch. no.2:
47-50 F '59. (MIRA 12:3)

1. Institut metodov obucheniya APN RSFSR.
(Farm mechanization)

KITAYEV, I., starshiy nauchnyy sotrudnik

There is not much time left. Otdr. truda i sots.strakh. no. 3:
68-70 Mr '59. (MIRA 1214)

1. Institut metodov obucheniya APN RSFSR.
(Farm mechanization--Study and teaching)

KITAYEV, I.O.

On-the-job training of students for work with agricultural machinery
and tractors, Politekhnicheskii institut, no. 5152-56 My '59.
(MIRA 12:7)

1. Institut metodov obucheniya A.P.N. R.S.F.R.
(Farm mechanization—Study and teaching)

KITAYEV, I.O.

Safety regulations for working on agricultural machines and
tractors should be made a requirement. Politekh.obuch. no.9.
33-35 8 '59. (MIRA 12:12)

I. Institut metodov obucheniya Akademii pedagogicheskikh
nauk RSFSR. (Safety education, Industrial)

KITAYEV, I.G.

Technical and vocational education of an agricultural operator.
Politekh.obuch. no.12:23-26 D '59. (MIRA 1):5)

1. Institut metodov obucheniya APM RSFSR.
(Farm mechanisation--Study and teaching)

KITAYEV, I.O., red.; CHICHKOV, V.A., red.; KULIKOV, V.N., red.;
POLUKARPOVA, Ye.K., tekhn. red.

[Training students in farm mechanization and electrification]
Podgotovka uchashchikhsia po mekhanizatsii i elektrifikatsii
sel'skogo khoziaistva. Pod red. I.O.Kitaeva i V.A.Chichkova.
Moskva, Izd-vo APN RSFSR, 1962. 50 p. (MIRA 16:1)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut
proizvodstvennogo obucheniya.

(Farm mechanization—Education and training)
(Rural electrification—Education and training)

GUSEV, Nikolay Nikolayevich; KITAYEV, Ivan Georgiyevich; YURRE,
Nikolay Andreyevich[Deceased]; MOLCHANOV, A.A., retsenzent;
TIMOFEEV, V.P., retsenzent; DUBININ, P.S., red.

[Forestry] Lesovodstvo. Moscow, Lesnaya promyshlennost',
1965. 246 p. (MIRA 18:12)

KITAYEV, I. I.

Vyrashchivanie ovoshchey v teplitsakh i parnikakh [Growing vegetables in hothouses and hotbeds]. Moskva, Sel'khozgiz, 1953. 168 p.

SO: Monthly List of Russian Accessions, Vol 6 No 6 September 1953

KITAYEV, I.I.

3543. KITAYEV, I.I. Vyrashchivanige Ovoshchey v Teplitsakh i Parnikakh.
Bil'nyue, Gospolitnauchizdat, 1954. 174s. s ill. 20sm. 6,000ekz. 2r. 25k.—
Na Litov. Yaz.—(54-57470) 635:661.544

SO: Knishnaya Letopis', Vol. 3, 1955

KITAYEV, I.P.
OLYMIKOV, P.O.: KITAYEV, I.P.

Table with built-in ventilation system for processing sulfited fruit.
Kons, 1 ev. prem. 12 no. 4; 23-24 Ap '57. (MIRA 10:6)

1. Rostovskiy konservnayy zavod "Smychka".
(Fruit--Preservation) (Canning industry--Equipment and supplies)
(Ventilation)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722910019-0

KITAEV, I.P.

KITAEV, I.P.; BUDNIKOV, G.K.

Utilization of polarography in organic chemistry. Analele chimie 18
no.1:120-166 Ja-Mr '63.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722910019-0"

KITAYEV, I.V.

Ways of mechanizing the harvesting of mother beets. Sakh.prom.
35 no.4:52-54 Ap '61. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy sverkly.
(Beets—Harvesting)

RUMYANTSEV, N.M.; KITAYEV, I.V., red.; GUBERNSKAYA, L.T., red.;
SHENDAREVA, L.V., tekhn. red.

[Catalog-handbook; paper, paperboard, woodpulp, paper products]
Katalog-spravochnik; bumaga, karton, tselliuloza, izdelia iz
bumagi. Moskva, 1962. 285 p. (MIRA 16:3)

1. Moscow. TSentral'nyy institut nauchno-tehnicheskoy infor-
matsii bumashnoy i derevoobrabatyvayushchey promyshlennosti.
(Paper product) (Paperboard)

ALESHEYEV, N.A.; ASLANOV, A.N.; VASIN, G.D.; VORONINA, Ye.P.; GRIGORENKO, O.P.; GRUSHIN, P.Ye.; DEPARMA, V.H.; DRESVYANNIKOVA, D.F.; DUBININA, K.P.; KITAYEV, I.Ye.; KULIKOV, N.N.; MANUKOV, E.P.; MEL'NIKOV, A.I.; REZNOV, I.P.; PESTRYAKOV, A.I., redaktor; PAVLOVA, M.M., tekhnicheskiy redaktor; SOKOLOVA, N.N., tekhnicheskiy redaktor

[Mechanisation and electrification at the All-Union Agricultural Exhibition; 1956 guidebook] Mekhanizatsiya i elektrifikatsiya na Vsesoiusnoi sel'skokhoziaistvennoi vystavke: putevoditel', 1956. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1956. 305 p. (MIRA 10:3) (Moscow--Agricultural machinery--Exhibitions)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722910019-0

KITAYEV, Kh.Kh., inzh.; KOVCHAN, F.F., inzh.

Exhibition of modern construction engineering. Prom.koop.
no.11,44-47 N 157. (MIRA 10:12)
(Moscow--Building--Exhibitions)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722910019-0"

Kitayev, Kh. Kh.
Kitayev, Kh. Kh.

The MPM-7x35 semi-automatic unit for welding reinforcing screens.
Stroi. prom. 35 no.12:46 D '57. (MIRA 11:1)
(Reinforced concrete--Welding)

KITAYEV, K. Y.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 536 - I

BOOK

Call No.: AF603914

Author: KITAYEV, K. YE., Kand. of Tech. Sci.
Full Title: VIBRATIONS OF SPAN STRUCTURES OF RAILROAD BRIDGES DUE
TO BENDING COMBINED WITH TORSION

Transliterated Title: Izgibno-krutil'nyye kolebaniya proletnykh
stroyeniy zheleznodorozhnykh mostov

PUBLISHING DATA

Originating Agency: Moscow Institute of Railroad Transport Engineers
im. Stalin (MIIT), Trudy, Issue 76, Construction Mechanics
Publishing House: State Publishing House of Railroad Transport

Date: 1952 No. pp.: 13 (123-135) No. of copies: 1,000

Editorial Staff

Editor-in-Chief: Litvin, G. A., Kand. of Tech. Sci.

Editors: Profs., Doc. of Tech. Sci. Prokof'yev, I. P.,
Pratusevich, Ya. A., and Sinel'nikov, V. V.

Others: The preface was written by Gerasimov, A. S., Chief of MIIT,
General Director of Traffic III Rank

PURPOSE: A paper intended for engineering-technical and
scientific workers of railroad transport.

TEXT DATA

Coverage: The author is concerned with the determination of vibrations

1/2

Izgibno-krutil'nyye kolebaniya proletnykh
stroyeniy zheleznodorozhnykh mostov

AID 536 - I

in the above mentioned structures. This determination is especially important for the design of long spans subjected to heavy loads, when in order to reduce the weight the width of the span must be diminished. The article is divided as follows: 1. Differential equations of torsion of a span structure; 2. Free vibrations of span structures due to bending combined with torsion; 3. Dynamic influence of locomotives; 4. Forced vibrations of span structures due to bending combined with torsion. Diagrams and formulae.

No. of References: Russian 10, dated 1931-1950.

Facilities: None

2/2

KITAYEV, I.Ye., kand.tekhn.nauk dots.

Using the transposition method in making calculations for
continuous arches and combination systems. Trudy MIIT no.91:
117-131 '57. (MIRA 11:2)

(Arches) (Bridge construction)

KITAYEV, K. Ye., kand.tekhn.nauk, doceent

Vertical vibration of girder systems considering forces of the
resistance and inertia of a moveable load. Trudy MIIT no.131:205-
217 '61.

(MIRA 14:5)

(Girders--Vibration)

KITAYEV, K.Ye., kand.tekhn.nauk, dotsent

Characteristics of the natural vibrations of parabolic hingeless
arches of slight curvature. Trudy MIIT no.174:19-42 '63.
(MIRA 18:1)

KHARKEVICH, D.A.; KITAYEV, L.A.

Role of the cardiorespiratory reflex in the mechanism of action
of strophanthin K. Farm. i toks. 23 no.1:20-24 Ja-P '60.
(MIRA 14:3)

1. Laboratoriya chastnoy farmakologii Instituta farmakologii i
khimioterapii AMN SSSR i kafedra farmakologii I Moskovskogo or'gina
Lenina meditsinskogo instituta imeni I.M.Sechenova (zav.laboratoriyej
i kafedroy deystvitelemy chlen AMN SSSR prof.V.V.Zakusov).
(STROPHANTHIN) (HEART)

KORMUSHKIN, K.A.; ZAYONCHKOVSKIY, A.D.; ALEXSEYENKO, V.I.;
BERNSHTEYN, M.Kh.; YABKO, Ya.M.; KITAYEV, L.P.; YELPIDIN, N.P.;
KIRIYENKO, N.V.

Use of low-pressure polyethylene for the manufacture of sole
parts. Kosh. obuv. prom. 5 no.7:26-29 Jl '63.
(MIRA 16:8)
(Boots and shoes, Rubber)

MAKOGON, M.B.; TUKHFATULLIN, A.A.; KITAYEVA, L.P.

Investigating the kinetics of domain growth in the Mg)Cd alloy.
Fiz. met. i metalloved. 18 no.4:535-539 O '64. (MIRA 18:4)

1. Sibirskiy fiziko-tekhnicheskiy institut imeni Kuznetsova.

KITAYEV, M. I., PHYSICIAN

Occupational Diseases

Dissertation: "Pathogenesis and Morphological Changes in Experimental Silicosis."
Cand Med Sci, Kirgis Medical Inst, 9 Apr 54. (Sovetshays Kirgiziya, Frunze, 30 Mar 54).

SO: SUM 213, 20 Sep 54

KITAYEV M.I.

T

Country : USSR
Category: Human and Int. al. Physiology. Nervous System.
Higher Nervous Activity. Behavior.

Abs Jour: RZhDiol., N. 19, 1950, 89267

Author : Kitayev, M.I.

Inst :

Title : On the Problem of Formation and Therapy of
Pathological Conditioned Reflexes.

Orig Pub: Sov. zdravookhr. Kirgizii, 1957, No 5, 57-58.

Abstract: No abstract.

Card : 1/1

*KITAYEV**M. I.*USSR/Human and Animal Morphology - Normal and Pathological.
Pathological Anatomy.

9

Abs Jour : Ref Zhur Biol., № 23, 1958, 106038

Author : Malyshhev, D.P., Kitayev, M.I.

Inst : -

Title : The Role of the Nervous Systems in the Pathogenesis of
Silicosis.

Orig Pub : Sov. zdravokhr. Kirgizii, 1958, № 1, 23-28

Abstract : Experimental silicosis was induced in rats: ten animals,
three to six days after excision of the 0.5 cm long seg-
ment of the vagus nerve, were intracutaneously injected
a suspension of crystalline silicic acid (I), in ten
rats only I was introduced, and in four rats only the
segment of the vagus nerve was excited. It was demon-
strated that the introduction of the suspension causes
the development of a progressive silicotic process.
Its development is accompanied by structural changes of

Card 1/2

*Chs. Pathological Anatomy
Kirgiz Med. Inst.*

KITAYEV, M.I.

Experimental reproduction of tuberculosis. Sov.zdrav.Kir. no.5:
27-31 S-O '62. (MIRA 15:10)

1. Iz Kirgizskogo nauchno-issledovatel'skogo instituta tuberkuleza
(dir. - prof. Yu.A.Volokh).
(TUBERCULOSIS)

KITAYEV, M.I., dotsent; SLASTENOVA, Ye.M., kand.med.nauk

Problem of tuberculosis in Kirghizistan. Sov.zdrav.Kir. no.5:60-
64 S-0 '62.

(MIRA 15:10)

1. Is Kirgizskogo nauchno-issledovatel'skogo instituta tuberkuleza
(dir. - prof. Yu.A.Volokh).
(KIRGHIZISTAN—TUBERCULOSIS—PREVENTION)

KITAYEV, M.I.; MIRETSKAYA, S.G.; YAROSHENKO, N.N.

Some constructive changes in the Haldane gas analyzer. Lab. delo
7 no. 12842-43 D '61. (MIRA 14:11)

1. Patofiziologicheskaya laboratoriya (zav. - dotsent M.I.Kitayev)
Kirgizskogo nauchno-issledovatel'skogo instituta tuberkuleza, Frunze.
(RESPIROMETER)

KITAYEV, N.A.

Practice in complex large-scale prospecting in the
boundaries of the margin of the Balay graben. Razved. i
okh. nedr 31 no.7:55-58 J1 '65. (MIRA 18:11)

1. Institut geokhimii Sibirskego otdeleniya AN SSSR.

KITAYEV, N.N.
RYZHkov, V.M.; KITAYEV, N.N.

Instrument for registering machine performance and fuel consumption.
Rats.i izobr.predl. v stroi. no.100:25-26 '54. (MIRA 8:10)
(Gauges)

KUZ'MIN, S., insh. (g. Ordzhonikidze); KITAYEV, N., insh. (g. Ordzhonikidze)

Savings on babbitt metal at the Ordzhonikidze Car Repair Plant.
Zhel.dor.transp. 36 no.6:81-82 Je '55. (MIRA 12:4)
(Ordzhonikidze--Cars--Maintenance and repair) (Electric furnaces)

KITAYEV, M. S.

Rendering green malt antiseptic by treating it with formalin. Spirit.
proc. 26 no. 3:5-7 '60. (MIRA 13:10)
(Malt-Sterilization)

KITAYEV, N.S.

Production of malt slurry on a saccharified mass. Spirit.prom.
26 no.7:39-40 '60. (MIBA 13:10)
(Yaransk--Malt)

KITAYEV, N.S.

Using formaldehyde solutions for the disinfection of green malt.
Spirt.prom. 29 no.2:43-45 '63. (MIRA 16:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fermentnoy i
spirtovoy promyshlennosti.
(Malt—Disinfection) (Formaldehyde)

KIRAEV, S. I.

"Results of the Use of Vegetable Hothouses by the Moscow Fruit-Vegetable Hothouse Seed-Bed Combine." Cand Agr Sci, Moscow Agricultural Acad imeni K. A. Timiryazev, Moscow, 1954. (RZhBiol, No 8, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

KITAYEV, S.I.

109-9-15/15

AUTHOR: Stolyarov, L.G.

TITLE: A Science Conference dedicated to the "Radio Day" (Nauchnaya Sessiya, posvyashchennaya "Dnyu Radio")

PERIODICAL: Radiotekhnika i Elektronika, 1957, Vol. II, Nr 9, pp. 1221-1224
(USSR)

ABSTRACT: An All-Union Scientific Conference took place in Moscow during 20-25 May, 1957. The Conference was organized by the Scientific-Technical Society for Radio Engineering and Electrical Communications imeni A.S. Popov, All-Union Scientific Council for Radio Physics and Radio Engineering of the Soviet Academy of Sciences and the Ministries of Communications, Radio Equipment Industries, and Culture. The Conference was attended by scientific and engineering personnel from Moscow, Leningrad, Gor'kiy, Kiev and other principal towns of the country and by representatives of various foreign countries: Bulgaria, Hungary, E. Germany, China, N. Korea, Poland, Czechoslovakia and members of the American Institute of Radio Engineers. The Conference was opened by V.I. Siforov, President of the Society and Corresponding Member of the AcSc USSR. The Plenary Session heard the following reports: A.D. Fortushenko, Member of the Ministry of Communications' Board, on "Ways of Technical Development of Electric Communication in the USSR"; Ye. A. Gaylsh, Chief Engineer of the

Card 1/5

109-9-15/15

A Science Conference dedicated to the "Radio Day"

NII of the Ministry of the Radio Equipment Industry, on "Small Size Parts for General Application"; G.D. Glebov, Chief Engineer of the NII of the Ministry of the Radio Equipment Industry, on "Semiconductor Devices Produced by the Radio Equipment Industry, Prospects of Their Improvement and Expansion of Nomenclature"; Professor S.I. Kitayev on "Electric Telescopy"; Doctor V.K. Tkach on "Application of Radio Methods for Study of Pathological Phenomena in an Organism." Some results of putting into operation the radio and electron part of a 10,000,000,000 ev synchrophasotron were submitted by A.L. Mints, Corresponding Member of the Acad USSR. The Conference was divided into the following 12 sections: information theory, antenna systems, semiconductor devices, receiving and transmitting installations, wire communications, television, electronics, radio measurements, radio broadcasting, electro-acoustics and sound recording, general radio engineering and radio wave propagation, and technology of radio equipment production. Altogether over 200 reports were delivered. The Information Theory Section heard about 20 reports among which were the following: L.N. Pisk on "Multiposition Systems of Frequency Radiotelegraphy"; N.L. Teplov on "Basic Correlations in Signal

Card 2/5

109-9-15/15

A Science Conference dedicated to the "Radio Day"

Integration and Fluctuating Interference in the Radio Receiver Channel"; K.A. Meshkovskiy on "Problems of Noiseproofing of Communication Systems which Receive a Whole Signal"; R.R. Varshavov on "Structure and Evaluation of the Quantity of Coded Signals with Correction of Errors"; V.M. Shteyn on "Quantum Noise of Group Signal in Frequency Separation of Signals"; L.A. Khalfin on "Information Theory of Geophysical Methods of Investigation"; L.A. Khalfin on "Signal Theory"; B.A. Varshaver on "Theory of Carrying Capacity in Binary Transmission"; N.A. Zhelezov on "Principle of Discretization in Theory of Signals Based on New Stochastic Model". The Semiconductor Section heard the following reports: E.I. Adirovich and A.M. Gordonov on "Theory and Experimental Investigation of Coefficients of Emitter-Collector Transmission in Junction Transistors"; Yu. K. Barsukov on "Transitional Blocking Process in Junction-type Germanium Diodes DGT's"; A.I. Borisov on "Nonlinear Amplifier Distortions in Transistors"; A.A. Rikin on "Regeneration and Neutralization of Stages in Transistors"; V.N. Kononov on "Application of Nonlinear Feedback to Eliminate Saturation of Junction Transistors in Pulse Circuits"; Ya. A. Fedotov on "Frequency Properties of Drift Triodes". The Radio Engineering Section heard 19 reports among which were the following: Ya. S. Itakhoki on "Minimum Volume of a Pulse Transformer"; O.N. Litvinenko on the use of heterogeneous lines with continuously alternating parameters for pulse shaping; Yu. B. Simkin and A. S. Nemirovskiy on "Calculation of the Influence of Fading in Designing Radio Relay

Card 3/5

109-9-15/15

A Science Conference dedicated to the "Radio Day"

Finally, the Electronics Section heard the following reports: S.I. Tetel'baum on "Inverse Wave Generators Without Delay-type Wave Guide Systems"; Ye. N. Bazarov and M.Ye. Zhabotinskiy on "Frequency Conversion in a Reflex Klystron"; Yu. A. Katseman on "Parametric Phenomena in the Electronic Flux of a Transit Klystron"; S.M. Afanasov on "Electronic Retuning of Frequency of Cavity Resonators by the Reactive Diode Method"; I.F. Pes'yatskiy and D.N. Khorosh on "A Post-Acceleration System in Electron-Beam Tubes Permitting Retention of the Beam Deflection Sensitivity in Large Deflections of the Feeding Voltage in the Second and First Anodes". The Radio Wave Propagation Section heard 8 reports among which were the following: A.V. Prosin on "The Maximum Permissible Frequency Band Which Can Be Transmitted in Long Range Tropospheric Ultrashort Wave Propagation"; K.M. Kosikov discussed the prospects of utilizing oblique and return reflections from great distances and around-the-world echo; N.M. Boyenkov on "Influence of Solar Eclipses on the Ionosphere on the Basis of Observations of 30 June 1954 and 23 February 1952"; A.A. Grigor'yeva on "Results of Vertical Radiation Measurement of the Coefficient of Absorption of Short Radio Waves in Ionosphere"; V.E. Kashprovskiy read a report on long-range direction finding of thunderstorms. Very short summaries of the above reports are given.

SUBMITTED: June 16, 1957
AVAILABLE: Library of Congress
Card 5/5

KITAYEV, S.I.

AUTHOR: None given

SOV/106-58-9-16/17

TITLE: Author's Certificates (Avtorskije svidetel'stva)

PERIODICAL: Elektrosvyaz', 1958, Nr 9, p /8 (USSR)

ABSTRACT: S.I. Kitaev, A.M. Polyukovskiy, "Method of Improving the Utilization of the Frequency Band of a Communication Channel when Sending Picture Signals"; R.A. Kudryavtsev, "Method of Amplitude Modulating Picture Signals and an Arrangement for Achieving the Method"; A.G. Muradyan, M.N. Stoyanov, A.A. Trifonov-Yakovlev, "Method of Compressing Subscribers' Lines at a Main Telephone Exchange"; E.V. Zelyakh, Ya.I. Velikin, "Electrical Blocking Filter"; D.V. Ageyev, V.V. Malanov, K.P. Polov, "Audio Frequency Power Pulse Amplifier"; L.N. Korablev, "Electronic Voltage Stabilizer"; B.M. Vul, A.P. Shotov, "Method of Preparing the Lead from the Middle Part of a Germanium Triode"; A.I. Ardab'yevskiy, L.D. Bakhrakh, L.N. Deryugin, "Method of Swinging the Beam of a Linear Aerial"; A.I. Ardab'yevskiy, L.N. Bakhrakh,

Card 1/2

Author's Certificates

SOV/106-58-9-16/17

L.N. Deryugin, "Method of Electrically Swinging a Beam
using a Dispersive Structure"; B.B. Lagov, "Waveguide Transformer".

Card 2/2

ALEXANDROV, S.V., kand.sel'skokhos.nauk; BOGUSHOVSKIY, A.A., kand.tekhn.
nauk; VASICHENKO, S.Y., kand.sel'skokhos.nauk; GHRASIMOV, B.A.,
kand.sel'skokhos.nauk; GROMOV, M.O. [deceased]; KORBUT, V.A.;
KUDREVICH, I.A.; MAMAYEV, M.G., kand.tekhn.nauk; NOVIKOV, A.P.;
OSNITSKAYA, Ye.A.; SIMANOVSKIY, A.Yu.; SILOTSOV, S.A.; SPIRIDONOVA,
A.I.; TARAKANOV, G.I., kand.sel'skokhos.nauk; CHENYKAYEVA, Ye.A.;
KITAYEV, S.I., red.; FILATOV, N.A., zasluzhennyj agronom RSPSR;
CHUDIKINA, A.P., red.; MARTYNOV, P.V., red.; ARTSYBAS-EVA, A.P.,
tekhn.red.; BARBASH, F.L., tekhn.red.

[Vegetable growing under cover] Ovoshchvodstvo zashchishchennogo
grunta. Moskva, Izd-vo M-va sel'.khoz.SSSR, 1960. 279 p.
(MIRA 13:12)

(Vegetable gardening) (Greenhouses)
(Hotbeds)

ORDZHIKOVSKIY, I.; KITAYEV, V., inzh.

Dismountable scaffolding. [Suggested by] I.Ordzikovskiy, V.
Kitayev. Na stroy, Mosk. 2 no.3:25 Mr '59. (MIRA 12:5)

1. Glavnnyy tekhnolog tresta Mosotdelstroy No.1 (for Ordzhikovskiy).

(Scaffolding)

KITAYEV, V., insh.; ORDZHIKOVSKIY, I., insh.

Centralized preparing of wallpaper. Na stroy. Mosk. 1 no.10:18-19
O '58. (MIRA 11:12)
(Wallpaper)

PHASE I BOOK EXPLOITATION

SOV/3271
SOV/5-4-11

Akademiya nauk SSSR. Fizicheskiy institut imeni P. N. Lebedeva

Issledovaniya po optike i yadernoy fizike (Research in Optics and Nuclear Physics) Moscow, Izd-vo AN SSSR, 1959. 223 p. (Series: Its Trudy, t. 9) Errata slip inserted. 1,700 copies printed.

Ed.: D. V. Skobel'tsyn, Academician; Ed. of Publishing House: D. M. Alskseyev; Tech. Ed.: G. A. Astaf'yeva.

PURPOSE: This series of articles is intended for specialists in optics and nuclear physics.

COVERAGE: The first of these articles deals with the many different causes of the broadening of the spectral lines of various light sources and research on the form and width of spectral lines in a d-c electric arc. Recombination luminescence and coloration of the KCl-Tl phosphor are discussed in the second paper. The third paper is on the determination of the effective capture and recombination cross sections in crystal phosphors, and the fourth deals with the theory of nonstationary elastic deceleration of neutrons in a heavy medium. References accompany each article.

Card 1/5

TABLE OF CONTENTS:

Kitayev, V.E. Investigation Into the Form and Width of Spectral Lines in a D-C Electric Arc.

This article discusses natural and Doppler broadening of the spectral lines as a result of the interaction of the irradiated atom with particles of the surrounding medium, the quantum theory of the broadening of spectral lines, experimental research on the form and width of spectral lines, the problem of emission spectral lines in general and emission spectral lines in an electric arc in particular. Part II of the article discusses the setting up of the experiment, the excitation source, the optical system of the experimental apparatus, the resolution of the photographic plates, taking and processing spectrograms, and experimental results. Part III discusses interaction constants for the sodium lines investigated, line broadening due to Van der Waals forces and the Stark quadratic effect, density of charged particles in an arc, comparison of experimental results with data from statistical theory, and evaluation of the Stark effect constants from the measurement of the half-width of spectral lines in an electric arc.

Card 2/5

KITOV, V. I., Engineer Civil Tech Sci

Dissertation: "A, llicitation of J. C. Electric
Machines for Supplying the Telephone Stations."

27/4/50

Moscow Electrical Engineering Inst of Communications

SO Vecheryaya Moskva

Sum 71

1. KITAYEV, V.I.
 2. USSR (600)
 4. Grinding and Polishing
 7. Design and construction of lead drum for grinding barrel-shaped roller bearings
Podshipnik no. 10, 52
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

LOSKUTOV, Vasiliy Vasil'yevich; OLYZER, L.A.,kandidat tekhnicheskikh
nauk, retsensent; ROZIN, A.I.,inzhener, redaktor; KRAYIL,
V.I.,inzhener, redaktor; YERMAKOV, N.A.,tekhnicheskiy redaktor;
DUGINA, N.A.,tekhnicheskiy redaktor

[Polishing of metals] Shlifovanie metallov. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 351 p.

(MLRA 10:4)

(Grinding and polishing)

MAZYRIN, Vyacheslav Prokop'yevich; ROZIN, A.I., inzh., retsenzent;
KITAYEV, V.I., inzh., red.; DUGINA, N.A., tekhn.red.

[Abrasive cutting tools; reference manual] Abrasivnyi
instrument; spravochnoe posobie. Moskva, Gos.nauchno-tekhn.
izd-vo mashinostroit.lit-ry, 1959. 98 p. (MIRA 12:9)
(Metal-cutting tools)

LOGKUTOV, V.V.; BRAYEV, B.G., kand.tekhn.nauk, retsensent; KITAEV,
V.I., inzh., retsensent; TOLSTOV, M.A., inzh., red.; MOISEYEV,
B.I., tekhn.red.

[Automatic and semiautomatic grinding machines] Shlifoval'nye
avtomaty i poluavtomaty. Moskva, Gos.suchno-tekhn.izd-vo
mashinostroit.lit-ry, 1959. 292 p. (MIRA 13:3)
(Grinding machines)

KITAYEV, V. I. Cand Tech Sci -- (diss) "Investigation of the
cinematics and effect of certain technological factors on
the durability of spherical, double roller bearings," Sverdlovsk,
1960, 16 pp, 150 cop. (Ural Polytechnical Institute im S. M. Kirov)
(KL, 42-60, 113-114)

KITAYEV, V.I., kand. tekhn. nauk

Economic indices of quality. Mashinostroitel' no.10:1-2 0 '65.
(MIRA 18:10)

1. Direktor Shestogo gosudarstvennogo podshipnikovogo zavoda.

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722910019-0

KITAYEV, V.N.

Uses of thiouracil and methylthiouracil in feeding pigs. Uspokhi
Sovremennoy Biol. 34, 448-52 '52. (MLRA 5:12)
(CA 47 no.14:7052 '53)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722910019-0"

KITAYEV, V.N.

U.S.S.R.

Biological norms for white leghorn chicks. V. M. [initials]
Lilley and N. A. Goldfarbkin. *Vet. Veterin. Nauki*,
1956, No. 1, Volume 4, p. 156 (1956). — A day ration of
0.5 g. of leg. chick flour (1%) is an adequate norm for the
development of the chick. It is sufficient to maintain the
animal free from parasitism and to ensure an increase
of 1% in the liver. A higher content of 1% in the diet serves
no purpose. A diet of 0.2 mg. % of Leptocephalus
galls effectively on 0.2 mg. %, but its content in the liver
is larger. An increase in the cooked protein of the diet
from 13.7 to 21.9% raised the gall in wt., but a 10 to 30%
increase, while causing no reduction in the wt., adversely
affected the well-being and fattened appearance of the chicks.

A decrease in the protein of the diet to 0.2% affected
the animal adversely. B. S. Devine

KITAYEV, V.N., kandidat sel'skokhozyaystvennykh nauk; ARTEMOV, A.D.

Effectiveness of using vitamin A and D₂ concentrates in feeding
young pigs. Vit.res. i ikh isp. no.2:195-199 '54. (MLRA 8:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy vitaminnyy institut
(Vitamins-8) (Swine--Feeding and feeding stuffs) (Vitamins-D)

KITAYEV, V. V.

YUKHNIN, Yevgeniy Ivanovich; KITAYEV, V.V., inzhener, retsenzent; BATIN,
I.A., redaktor; PRUMKIN, F.O., tekhnicheskij redaktor

[Anchor, mooring and towing equipment] Iakornoe, shvartovnoe i
bukseirnoe ustroistva, Leningrad, Gos. soiuznoe izd-vo sudostroit.
promsvhl., 1955. 141 p.
(Anchors) (Towing)

(MLRA 8:7)

PAZIN, Grigorij Markovich, kand. tekhn. nauk; SAVINOV, Boris Ivanovich,
Inzh.; KITAYEV, V.V., Inzh., retsenzor; SHALIV, N.P., Inzh.,
retsenzor; FETTOV, L.Ya., nauchn. red.; VILISOVA, Z.V., red.

[Ship equipment from plastics] Sudovye del'nye veshchi iz plast-
mass. Leningrad, Sudostroyenie, 1965. 239 p. (KNA 1E:3)

Kitayev, V.Ya.

AUTHORS: Dubovskiy, B.G., Kitayev, V.Ya.

86 -1-11/18

TITLE: Use of Inertia-Free Thermo-Batteries for the Measurement of Large
Neutron Currents in Nuclear Reactors (O primenenii maloinertsionnoy
termobatarii dlya izmereniya bol'sikh neytronnykh potokov v
yadernykh reaktornakh)

PERIODICAL: Physics and Thermotechniques of Reactors (Fizika i teplotekhnika
reaktorov), Supplement Nr 1 to Atomnaya energiya, 1958 (USSR)

ABSTRACT: For the production of the thermopile Chromel-Kopel thermocouples
were used. From these materials thin foils ($d = 0.05$ mm, width
 $= 3$ mm) were rolled out and welded together by the contact welding
method, the welded surface amounting to ~ 2 mm^2 . Small china tubes
($d_1 = 4$ mm, $l = 80$ mm) were used as insulators, into which 14
thermocouples were fitted. Such a tube is a section of the thermo-
pile, which consists of a total of 6 sections. ($d = 40$ mm,
 $l = 110$ mm). Each point of contact is covered with U_3O_8 , viz. with
1.8 mg U_3O_8 each. The linearity of the device was measured with
satisfactory result within the range of from 10^{10} to 10^{14} $\text{n/cm}^2 \cdot \text{sec}$.
By an increase of the U-235 content and the number of thermocouples
the lowest measuring limit may be reduced to 10^9 $\text{n/cm}^2 \cdot \text{sec}$. The

Card 1/2

Use of Inertia-Free Thermo-Batteries for the Measurement
of Large Neutron Currents in Nuclear Reactors

89 -1-11/18

time constant $\tau_{1/2}$ of the thermopile is about 2 s in the case of neutron fluxes of $10^{12} \text{ n/cm}^2 \cdot \text{sec}$. Such piles may be expected to be of particular efficacy in reactors cooled by liquids (viz. with high specific power). A pile consisting of 144 elements yielded an electromotive force of ~ 3 V. The power developed by such a pile amounts to about 0.2 W. The degree of efficiency, however, is very low, i.e. less than 0.1%. There are 5 figures and 3 non-Slavic references.

AVAILABLE: Library of Congress

Card 2/2 1. Thermopiles-Applications 2. Neutron currents-Measurement

KITAYEV, V.Ya.

Changing the fastening of the draw of a six-jet pulp
separator. Sbor. rats. predl. vnedr. v proizv. no.2:16
'61.
(MIRA 14:7)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat,
Lebyuzhinskiy rudnik.
(Ore dressing—Equipment and supplies)

ACCESSION NR: AP4018362

S/0120/64/000/001/0046/0053

AUTHOR: Kitayev, V. Ya.

TITLE: Approximate method of calculating the neutron selector with a diverging neutron beam

SOURCE: Pribory i tekhnika eksperimenta, no. 1, 1964, 46-53

TOPIC TAGS: mechanical chopper, multirotor chopper, neutron beam chopper, neutron selector, neutron beam, diverging neutron beam, neutron selector design

ABSTRACT: Methods for the transit-time calculation of characteristics of a neutron-spectrometer chopper described in Soviet and Western literature neglect the angular divergence of a neutron beam. The present article examines the fundamental characteristics of a diverging-beam spectrometer and offers a grapho-analytical method for calculating them. As an example, the transmission function is estimated for a complicated-profile slot; the profile is designed to

Cont 1/2

ACCESSION NR: AP4018362

ensure optimum relations between the aperture ratio, resolution, and background of the spectrometer for a total cross-section when the minimum-weight specimens are measured. Curves of the geometrical function, neutron pulse, and transmission function are supplied. A considerable discrepancy is demonstrated between the transmission function of a diverging beam and that of a parallel beam. The method suggested is easily applicable to multirotor phased choppers and monochromators with either a longitudinal or transverse axis. "The author wishes to thank V. A. Parfenov, V. A. Semenov, and V. G. Liforov, all of whom took part in discussing the project." Orig. art. has: 6 figures and 25 formulas.

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